

Abstract

A threaded joint which economically imparts effective sealing properties to a metal-to-metal seal portion and which can prevent seizing at the time of make-up comprises a steel pipe 1 having at its tip a male thread 1b and an unthreaded sealing surface 1a, and a coupling 2 having on its inner surface a female thread 2b and an unthreaded sealing surface 2a. With the yield pressure of the inner surface of the pipe being P_y , (1) the average pressure P_m of the annular contact portion satisfies $P_m/P_y \geq 3$, and the width in the axial direction of the portion which receives a pressure P_s which satisfies $P_s/P_y \geq 1$ in the annular contact portion is at least 1 mm (or at least 2 mm), and the surface roughness R_y of both unthreaded sealing surfaces is at most 25 μm (or at most 30 μm), or (2) the relationship between the average pressure P_m of the annular contact portion and the surface roughness R_y (μm) of the unthreaded sealing surface satisfies $P_m/P_y \geq 0.0032 \times R_y^2 + 1.0$, and the width in the axial direction of the portion which receives a pressure P_s which satisfies $P_s/P_y \geq 1$ in the annular contact portion is at least 1 mm.